

## PYROMITE


**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**GEBRUIKSAANWYSINGS INGESLUIT**  
Lotnummer  
Datum van vervaardiging

**VERMYS NA BESONDERHEDE**  
**SOOS OP HOUER / SAK GEDRUK**

# PYROMITE

INSECTICIDE



Reg. No. L10696, Act/Wet No./Nr. 36 of/van 1947 1:02/07/2019

**A suspension concentrate contact insecticide for the control of insect pests in the crops as indicated.**


**'n Suspensiekonsentraat kontakinsekdoder vir die beheer van insekplae in die gewasse soos aangedui.**

IRAC INSECTICIDE GROUP CODE	21	IRAC INSEKDODERGROEPKODE
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ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
Fenpyroximate	50 g/l	Fenpiroksimaat

Registration Holder / Registrasiehouer  
**Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.**  
Reg. No. 2000/010819/07  
P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika






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UN Number: 3082

CAUTION / VERSIGTIG

## WARNINGS

**Allow the following number of days between last treatment and harvest or use as food or feed:**

Citrus .....28 days

IMPORTANT: The recommended withholding period between last application and harvest meets local residue requirements, but may not meet export requirements. If the treated crop is intended for export, consult the relevant exporting organisation regarding MRL requirements and withholding periods. When this product is applied according to the label recommendations indicated below, the local MRL will not be exceeded. Meridian Agrochemical Company (Pty) Ltd T/A Meridian Agritech cannot, however, be held liable for export crops exceeding the import tolerances of other countries.

- Handle with care.
- Poisonous if swallowed.
- Irritating to eyes
- Toxic to fish and wildlife.
- Do not spray over, or allow spray to drift to, other crops, grazing dams, ponds, rivers, streams or fish hatcheries.
- Store in the original, tightly closed, container under lock and key in a cool place, away from food, feeds, seed and fertilizers.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry** – Do not enter the treated area until the spray deposit has dried, unless wearing protective clothing.
- **PYROMITE** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which will need to be tested; for this apply **PYROMITE** to a limited test area before commercial applications are made.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal, or for lack of performance of the remedy concerned due to failure by the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.**

## PRECAUTIONS

- Do not inhale dust or spray mist.
- Wear suitable protective clothing (face shield and rubber gloves) while mixing or applying the product or before washing hands and face.
- Wash with soap and water after use and accidental skin contact. Also wash contaminated clothing. Wash all clothing and equipment in a strong washing soda solution and rinse thoroughly before making use of it again.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothes.
- Do not spray during periods of high bee activity.
- Avoid excessive drift – do not apply if the wind velocity exceeds 2 meters per second (7 km per hour).
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Invert the empty container over the spraying or mixing tank and allow it to drain for at least thirty seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to at least 30% of the volume of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way in accordance with local regulations, such as by burning or burying it. Do not use it for any other purpose
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Keep children and animals away from stacked and waste material.

## MODE OF ACTION

Fenpyroximate is an inhibitor of the mitochondrial electron transport chain at complex I. It provides quick knockdown activity against larvae, nymphs and adults, mainly by contact and ingestion. Fenpyroximate also has some moulting inhibitory activity on nymphs.

## RESISTANCE WARNING

For resistance management, **PYROMITE** is a group code 21 insecticide. Any insect population may contain individuals naturally resistant to **PYROMITE** and other group code 21 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **PYROMITE** or any other group code 21 insecticide.

### To delay insecticide resistance:

- Avoid the exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with registered products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.
- The choice of products to be used during one growing season should take the resistance strategy into consideration.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **PYROMITE** as recommended, a resistant insect population may be present. If a resistant insect population is positively identified, consideration should be given to prompt use of an insecticide with a different mode of action for which there is no record of resistance to the relevant pest. For specific information on resistance management, contact the registration holder of this product.

## USE RESTRICTIONS

- Do not apply more than one application of **PYROMITE** per growing season. Do not apply other IRAC Group code 21 (Mitochondrial Electron Transport Inhibitor) acaricides to the same crop in the same season as **PYROMITE**. If MRL requirements allow, apply a registered acaricide from another group code.
- Do not apply **PYROMITE** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **PYROMITE** using an accurate and safe application technique.
- If **PYROMITE** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.

## DIRECTIONS FOR USE

**Use only as directed.**

## COMPATIBILITY

The compatibility of **PYROMITE** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

The compatibility of **PYROMITE** with other pesticides has not been tested.

When **PYROMITE** is used in conjunction with any other agricultural remedy, all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on those particular product labels, must be adhered to.

## MIXING INSTRUCTIONS

Half-fill the spray tank with suitable water. Add the required quantity of **PYROMITE** to the water in the tank while agitating. Fill the spray tank to the desired volume with water while agitating. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Do not use brackish water. Ensure that agitation takes place for a few minutes prior to commencement of spraying after normal operational stops, e.g. lunch break. Application equipment must be thoroughly flushed out at the end of the spraying operation.

Ensure constant and thorough agitation during mixing and spray operations.

## APPLICATION METHODS

### GROUND APPLICATION

Apply as a medium cover, film spray to the point of run-off. Ensure that application equipment is accurately calibrated before application, to ensure that the correct volume per hectare and droplet size is applied. Ensure thorough and uniform distribution of the spray mix on trees in the target area.

### RECOMMENDATIONS

CROP / PEST	DOSAGE RATE	REMARKS
<b>Citrus</b> Bud mite ( <i>Aceria sheldoni</i> )  <b>Citrus Red Mite</b> ( <i>Panonychus citri</i> )	150 ml PYROMITE / 100 l water	<b>Ground application:</b>  Apply as a medium-cover, film spray application at 2 to 3 l spray mixture per metre tree height, above the canopy skirt.  Ensure thorough wetting of the target area.  Apply a single treatment during the period February to April.  Other mite species, such as Lowveld citrus mite may also be controlled if present.

## WAARSKUWINGS

Laat die volgende aantal dae toe tussen laaste toediening en oes, of as gebruik vir voedsel of voer:

Sitrus .....28 dae

**BELANGRIK:** Die aanbevole onthoudingsperiode tussen die laaste toediening en oes voldoen aan die plaaslike residuvereistes, maar dit mag nie aan die buitelandse uitvoereistes voldoen nie. Indien die behandelde gewas vir die buiteland bestem is, moet die relevante invoer- of uitvoerinstansie genader word rakende die aanbevole onthoudingsperiode (MRL) vir die gebruik van die produkte. Indien hierdie produk toegedien word volgens die etiketvoorskrif soos hieronder aangedui, sal die plaaslike MRL nie oorskry word nie. Meridian Agrochemical Company (Edms.) Bpk. H/A Meridian Agritech kan egter nie aanspreeklik gehou word vir uitvoergewasse wat die invoereistes van ander lande oorskry nie.

- Hanteer versigtig.
- Giftig indien ingesluk.
- Kan oë irriteer.
- Giftig vir visse en wildlewe.
- Moenie bo-oor ander gewasse, weidings, damme, mere, riviere, strome of visteeldamme spuit nie of toelaat dat die spuitnewel daarheen wegdryf nie.
- Bêre in die oorspronklike, digsluitende houër, agter slot-en-grendel in 'n koel plek weg van voedsel, voer, saad en kunsmis.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding:** Moenie behandelde gebied betree alvorens spuitneerslag droog is nie, tensy beskermende oorklere gedra word.
- **PYROMITE** is sonder enige fitotoksiseitskade op die mees belangrikste kommersiële kultivars getoets. Meer sensitiewe kultivars mag in die toekomst vrygestel word wat eers getoets moet word; hiervoor moet **PYROMITE** eers op 'n klein toetsoppervlakte aangewend word, alvorens groot kommersiële bespuitings gemaak word.

**Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond-, klimaats- en bergingstoestande; kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die plaë teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van die toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom, of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.**

## VOORSORGMAATREËLS

- Moenie die dampe of spuitnewel inasem nie.
- Dra geskikte beskermende klere (gesigmasker en rubberhandskoene) terwyl vermenging en aanwendig van die produk geskied of voordat hande en gesig gewas is.
- Was met seep en water na gebruik en toevallige velkontak. Was ook besoedelde klere. Was alle klere en toerusting met 'n sterk wassoda-oplossing en spoel deeglik voordat dit weer gebruik word.
- Moenie eet, drink of rook tydens vermenging of toediening van die produk of voordat hande en gesig gewas is nie.
- Moenie tydens periodes met hoë bye-aktiwiteit toedien nie.
- Vermoed oormatige wegdrywing – moenie toedien met windsnelhede van meer as 2 meter per sekonde (7 km/h).
- Vermoed wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en gebiede wat nie behandel moet word nie.
- Maak toedieningsapparaat voor en na gebruik skoon. Uitspoelwater moet nie gewasse, weidings, riviere, damme of ander waterbronne besoedel nie.
- Keer die leë houër om oor die spuitenk of mengbak en dreineer vir minstens dertig sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houër daarna **drie keer** uit met 'n volume water gelykstaande aan 'n minimum van 30% van die inhoud van die houër. Gooi die spoelwater by die inhoud van die spuitenk voordat die houër op die voorgeskrywe manier vernietig word.
- Vernietig leë houers deur gate daarin te maak en dit plat te maak en daarvan op 'n veilige manier van ontslae te raak volgens die plaaslike regulasies soos deur dit te verbrand of te begrawe. Moet dit vir geen ander doel gebruik nie.

- Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.
- Hou kinders en diere weg van opgebergde- en afvalmateriaal.

## **METODE VAN WERKING**

Fenpiroksimaat is 'n inhibeerder van die mitochondriale elektronoordragketting by kompleks I. Dit het 'n vinnige uitklop-effek op larwes, nimfe en volwassenes, hoofsaaklik deur kontak en inname. Fenpiroksimaat het ook 'n sekere mate van vervellingsinhiberings eienskappe op nimfe.

## **WEERSTANDSWAARSKUWING**

Vir weerstandsbestuur is **PYROMITE** 'n groepkode 21 insekdoder. Enige insekpopulasie mag individue bevat wat natuurlike weerstand teen **PYROMITE** of enige ander groepkode 21 insekdoder het. Die weerstandbiedende individue kan uiteindelik die insekpopulasie oorheers as hierdie insekdoder herhaaldelik aangewend word. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **PYROMITE** of enige ander groepkode 21 insekdoder beheer word nie.

### **Om weerstand teen insekdoders te vertraag:**

- Vermoed die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde chemiese groepkode. Wissel af met, of gebruik tenkmengsels van, produkte in verskillende insekdodergroepkodes.
- Integreer ander beheermaatreels (chemies, verbouing, biologies) in insekbeheerprogramme.
- Die produkkeuses wat gedurende 'n groeiseisoen gebruik gaan word, moet die weerstandstrategie in ag neem.

Aangesien die voorkoms van weerstandbiedendheid moeilik is om te bepaal, is dit uiters belangrik om die behandelde gewasse noukeurig te ondersoek. Indien die behandeling nie effektief was met die gebruik van **PYROMITE** soos voorgeskryf nie, mag daar 'n weerstandbiedende-insekpopulasie teenwoordig wees. Indien so 'n weerstandbiedende-insekpopulasie positief geïdentifiseer word, moet daar onmiddellik 'n insekdoderbespuiting wat 'n ander werkswyse het, waar daar geen bewys van weerstand teen die plaag voorkom, gedoen word. Vir spesifieke inligting oor weerstandsbestuur kan die registrasiehouer van hierdie produk gekontak word.

## **GEBRUIKSBEPERKINGS**

- Moenie meer as een toediening van **PYROMITE** per groeiseisoen toedien nie. Moenie ander IRAC Groepkode 21 (Mitochondriale Elektronoordrag Inhibeerder) mytdoders op dieselfde gewas in dieselfde groeiseisoen as **PYROMITE** toedien nie. Indien MRL vereistes dit toelaat, dien 'n ander geregistreerde mytdoder van 'n ander groepkode toe.
- Moenie **PYROMITE** op enige gewas of situasie toedien wat nie op die voorskrifetiket aangedui is nie.
- Dien **PYROMITE** slegs toe deur van akkurate en veilige toedieningstegnieke gebruik te maak.
- Indien **PYROMITE** in 'n tenkmengsel met ander aanbevole produkte gebruik word, moet oorweging aan die beperkings van daardie betrokke produkte geskenk word.
- Moenie hierdie produk in kombinasie of tenkmengsel met enige ander produk of landboumiddel gebruik wat nie spesifiek op hierdie etiket gelys is nie. Meridian Agrochemical Company (Edms.) Bpk. aanvaar geen verantwoordelikheid vir enige negatiewe gevolge indien die instruksies op die etiket nie nagekom word nie, tensy 'n Meridian verteenwoordiger vooraf geraadpleeg is.

## **GEBRUIKSAANWYSINGS**

**Gebruik slegs soos aangedui.**

## **VERENIGBAARHEID**

Die verenigbaarheid van **PYROMITE** met ander produkte sal van die formulerings van die onderskeie produkte afhang, asook van die kwaliteit van die spuitwater wat gebruik word. Soos formulerings van tyd tot tyd verander, is dit raadsaam om eers 'n fisiese verenigbaarheidstoets te doen voordat tenkmengsels gemaak word.

Die verenigbaarheid van **PYROMITE** met ander plaagdoders is nog nie getoets nie.

Wanneer **PYROMITE** tesame met ander landboumiddels gebruik word, moet alle **WAARSKUWINGS**, **VOORSORGMATREËLS** en **GEBRUIKSAANWYSINGS** soos wat op daardie etikette verskyn, nagekom word.

## MENGINSTRUKSIES

Vul die spuittenk halfvol met skoon water. Voeg die verlangde hoeveelheid **PYROMITE** by die spuitwater terwyl dit geroer word. Maak spuittenk tot by die verlangde volume vol terwyl roering plaasvind. **Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om in die spuittenk oornag te staan nie.** Moenie brakwater gebruik nie. Verseker dat roering 'n paar minute voor toediening plaasvind na normale operasionele rusperodes, soos bv. middagete. Spuittoerusting moet deeglik aan die einde van die spuitproses uitgespoel word.

**Verseker konstante en deeglike roering gedurende die meng- en spuitproses.**

## TOEDIENINGSMETODES

### GRONDTOEDIENING

Dien toe as 'n medium dekbepuiting tot by die punt van afloop. Verseker dat die toedieningsapparaat akkuraat gekalibreer is voor toediening om te verseker dat die korrekte volume per hektaar en druppelgrootte toegedien word. Verseker genoegsame en egalige verspreiding van die spuitmengsel op die bome in die teikengebied.

### AANBEVELINGS

GEWAS/PLAAG	DOSIS	OPMERKING
<b>Sitrus</b>  <b>Knopmyt</b> ( <i>Aceria sheldoni</i> )  <b>Sitrusrooispinmyt</b> ( <i>Panonychus citri</i> )	150 ml <b>PYROMITE</b> / 100 l water	<b>Grondtoediening:</b>  Dien toe as 'n mediumdekbepuiting teen 2 tot 3 l spuitmengsel per meter boomhoogte bokant die blaredak.  Verseker deeglike benatting van die teikenarea.  Dien 'n enkele behandeling gedurende die periode tussen Februarie en April toe.  Ander myte, soos die Laeveldsitrusmyt, mag ook beheer word indien dit teenwoordig is.